

Figure 1

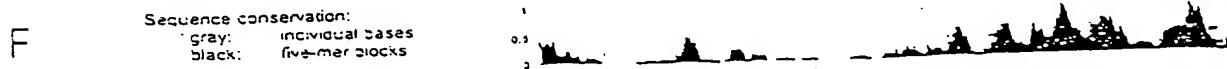
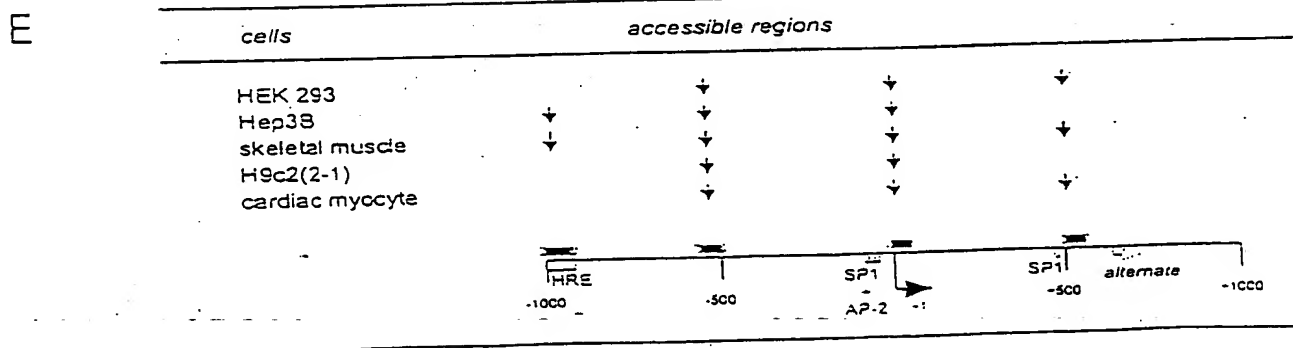
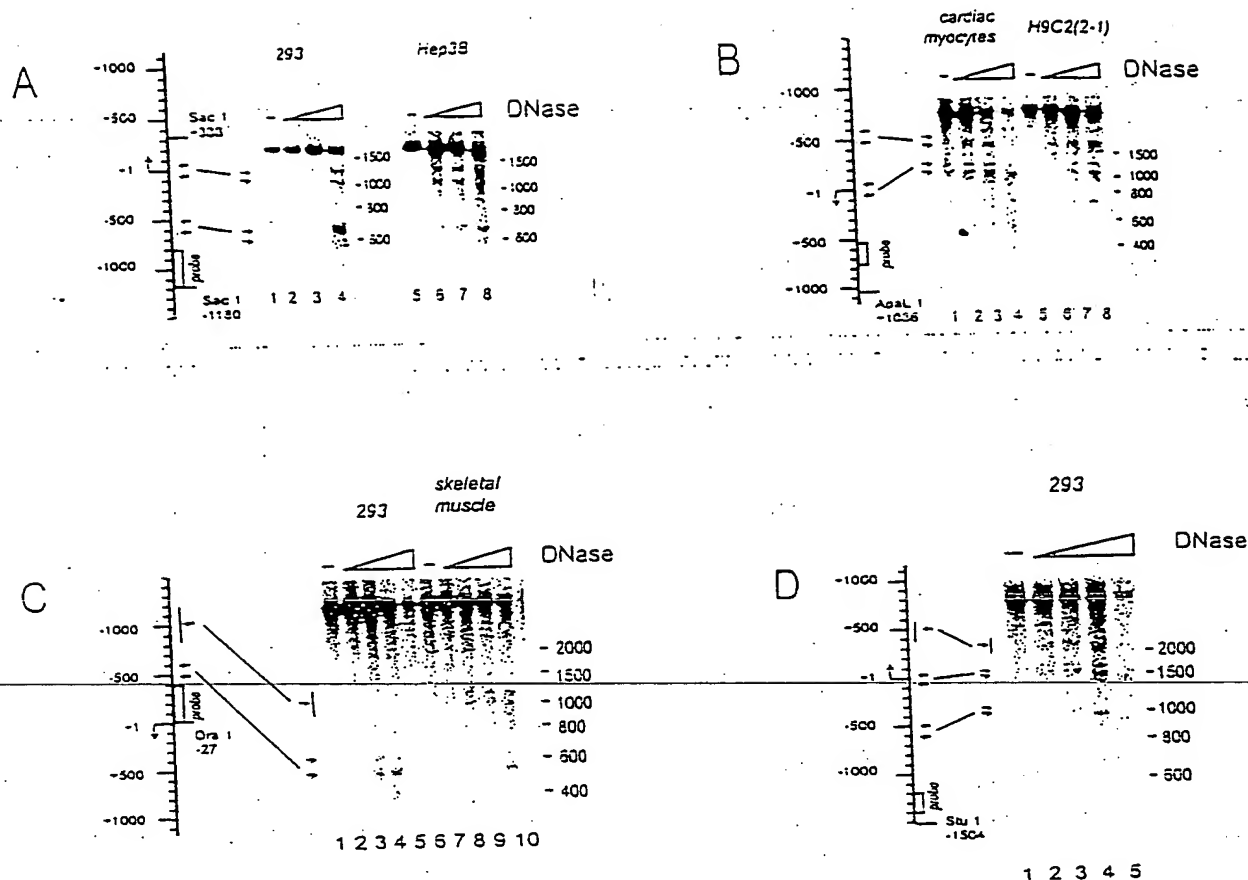
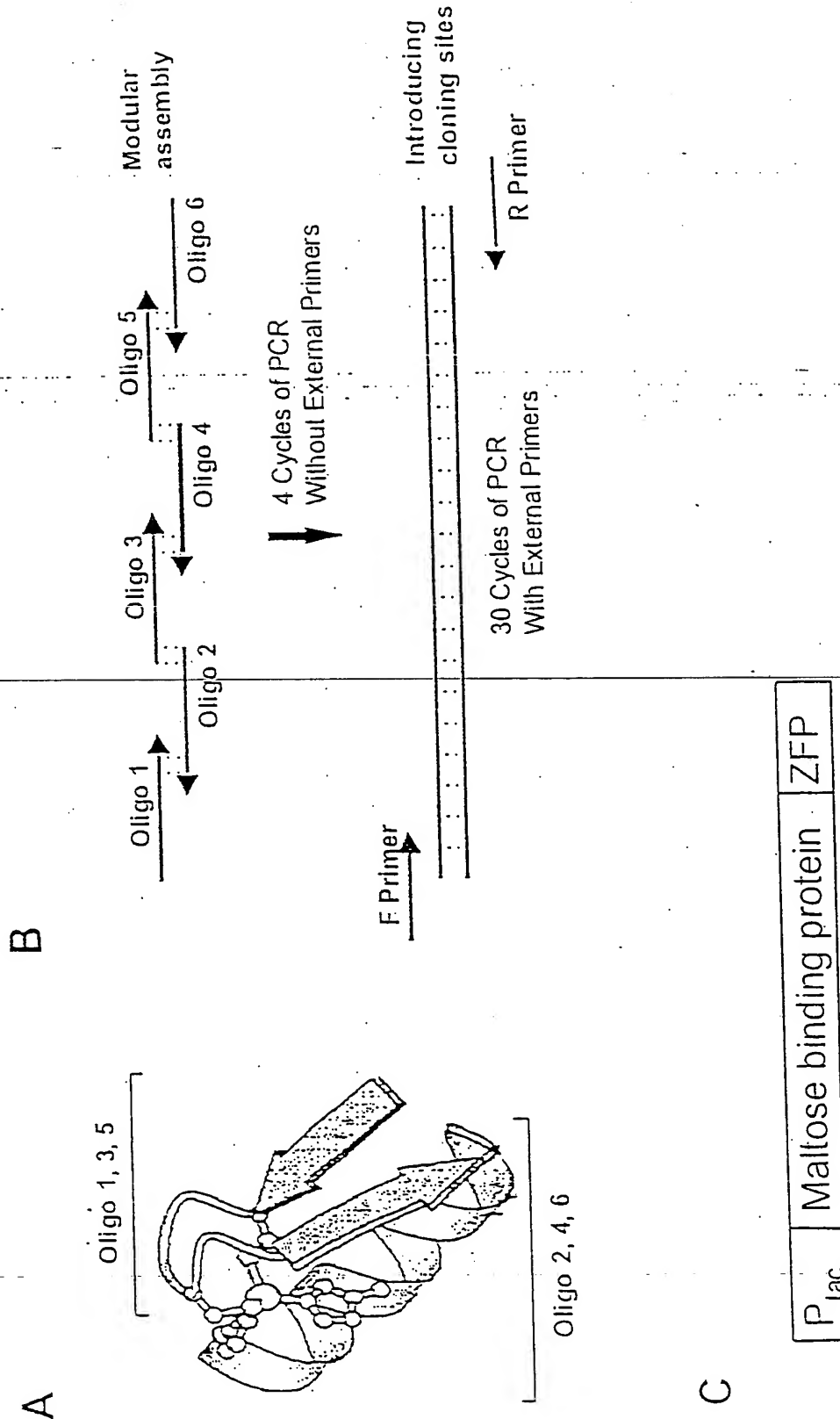


Figure 2



D

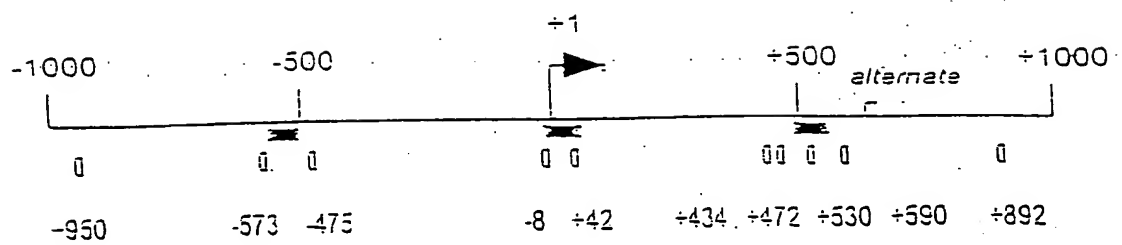
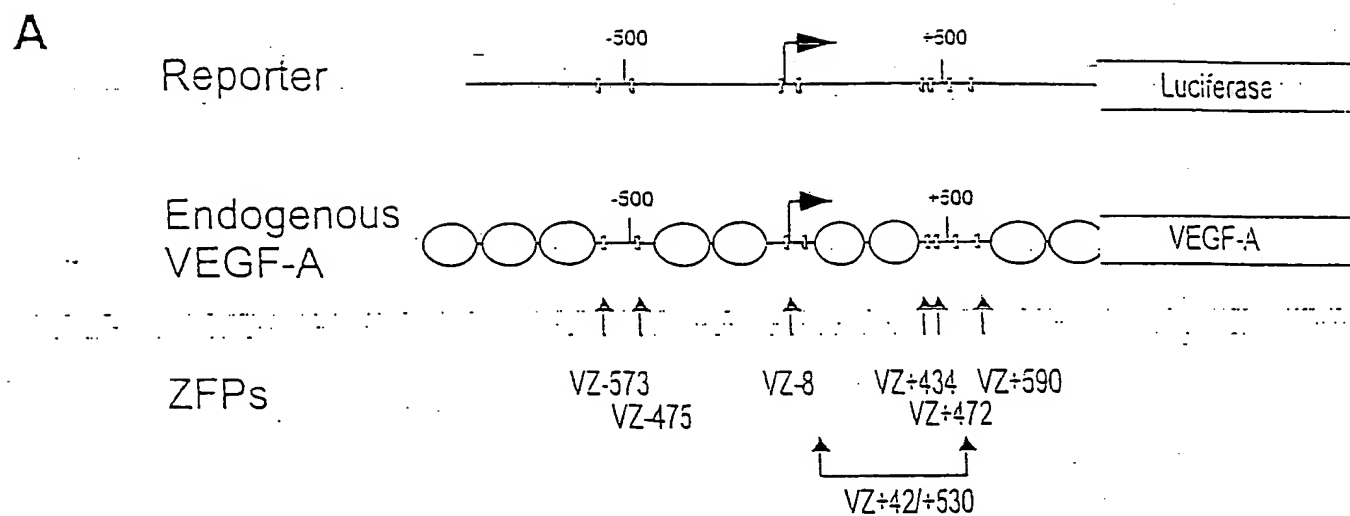


Figure 3



B

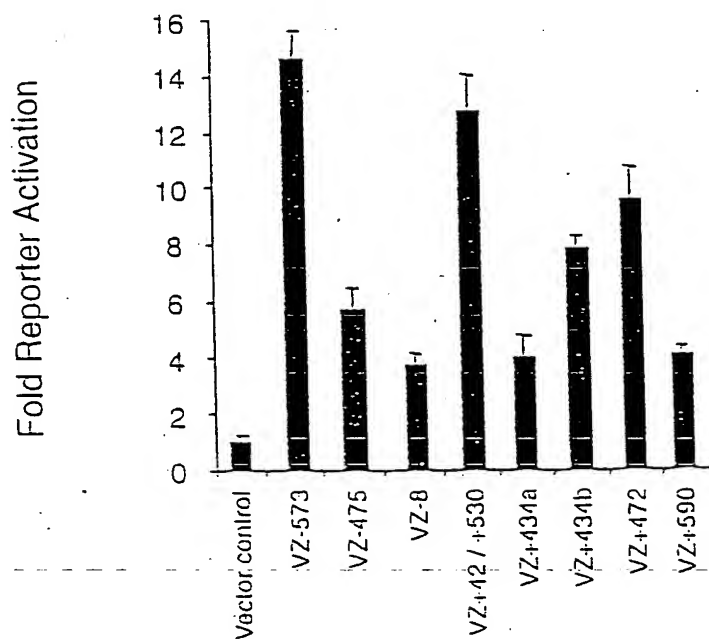
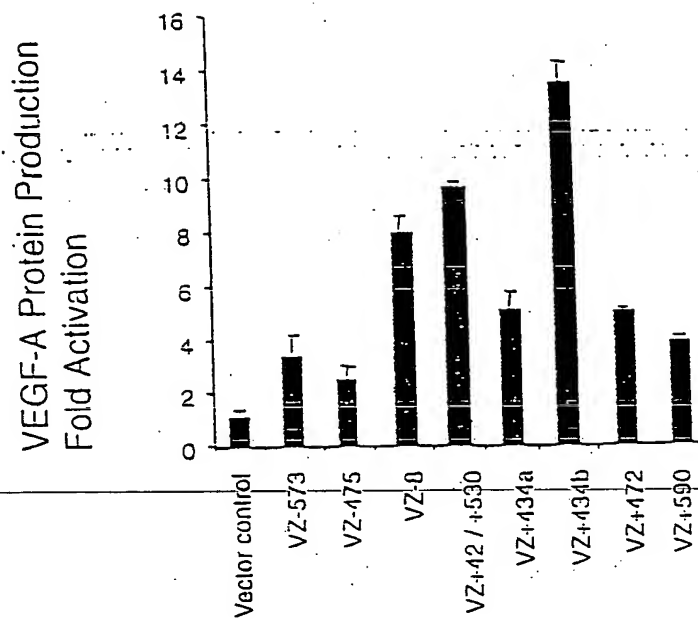


Figure 3

C



D

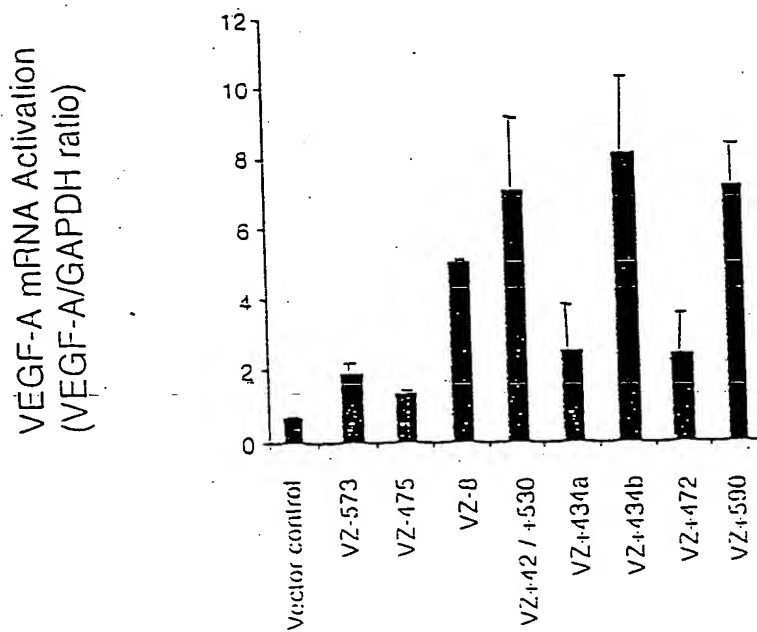
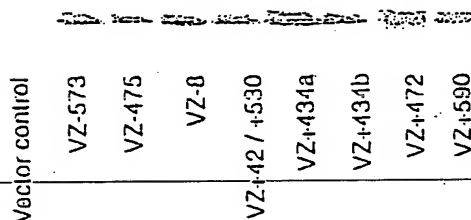


Figure 3

E

ZFP
Protein



F

Relative ZFP mRNA levels
(VP16 / GAPDH by Taqman)

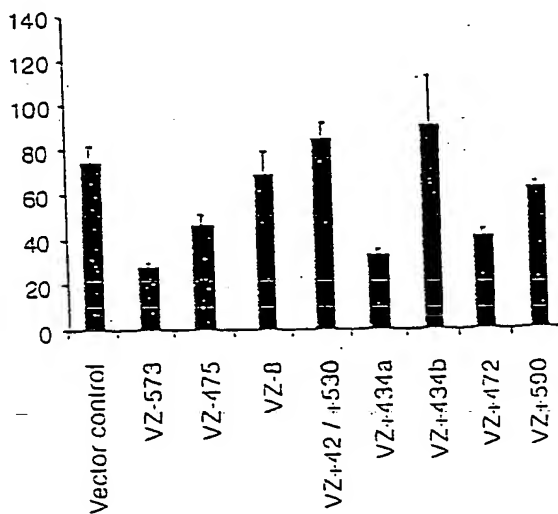
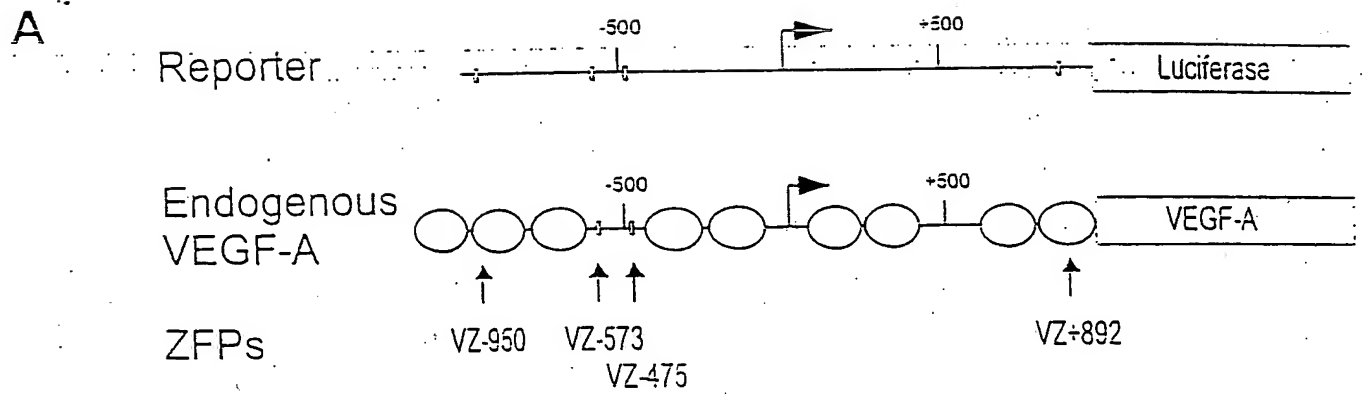
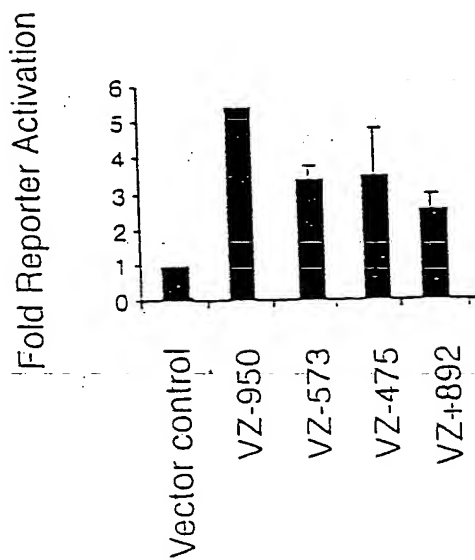


Figure 4



B



C

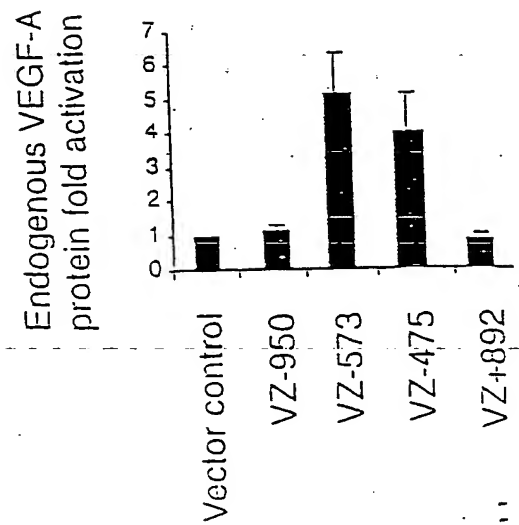


Figure 5

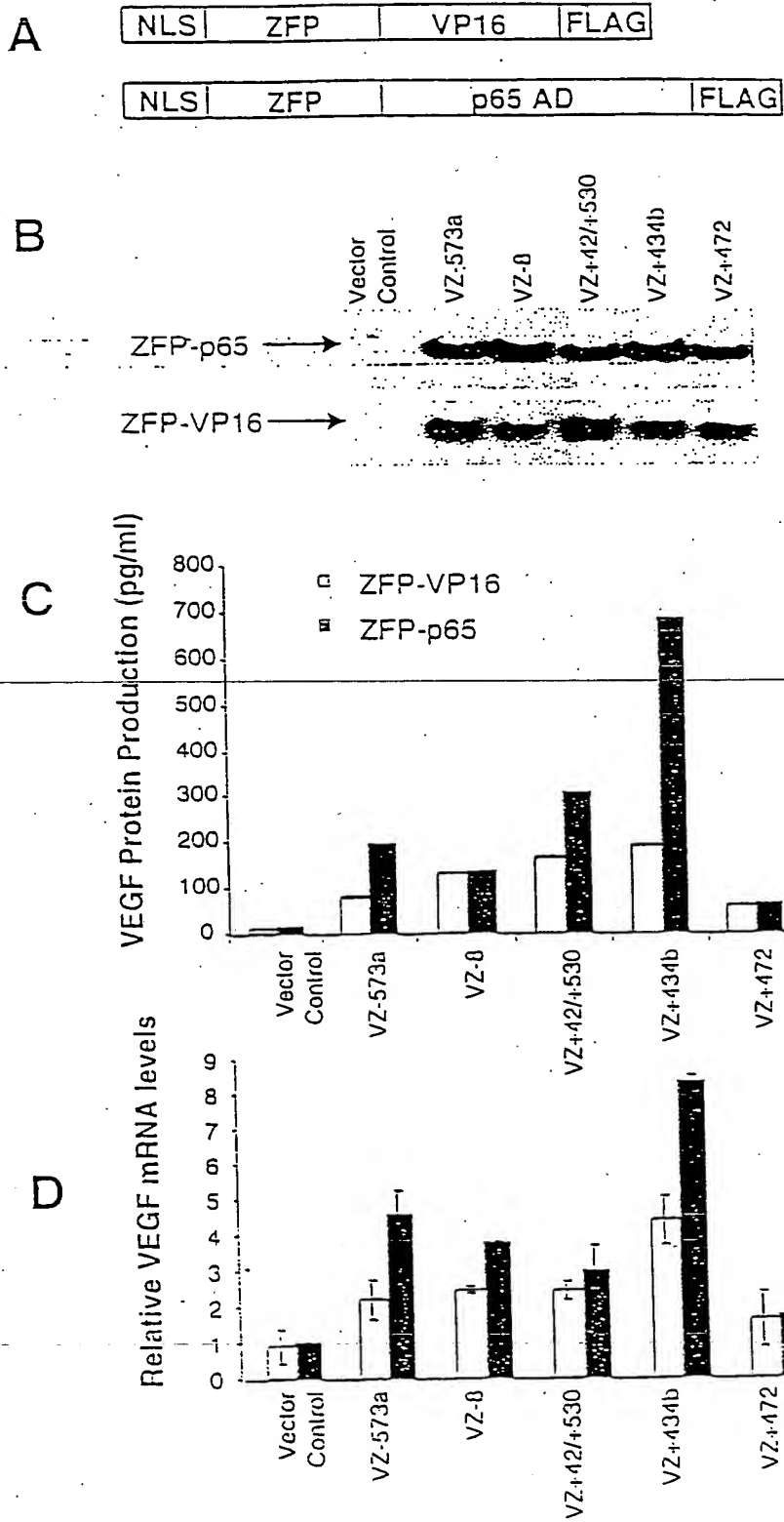


Figure 6

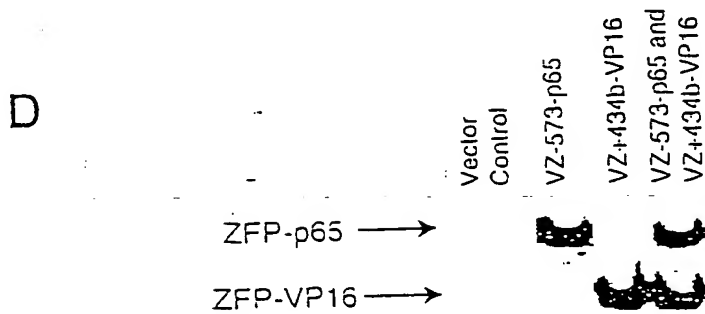
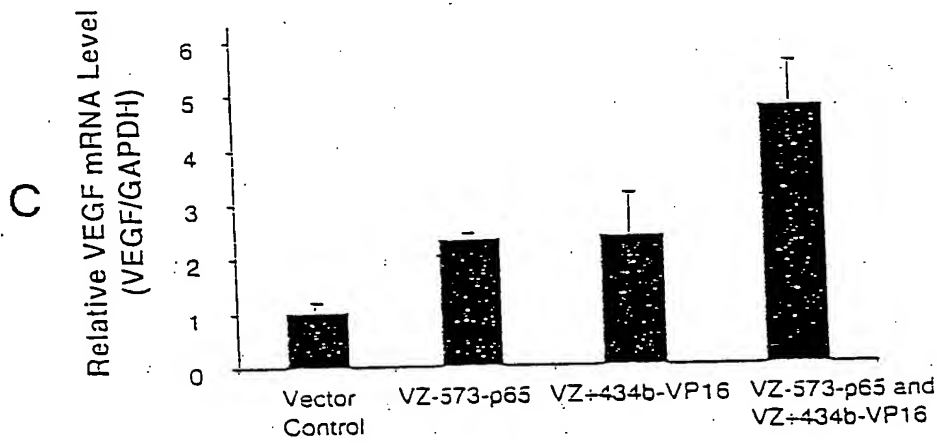
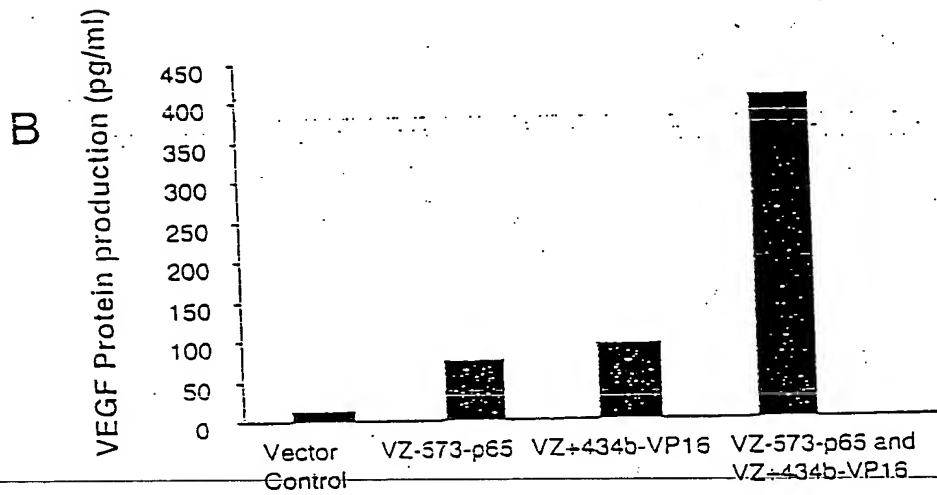
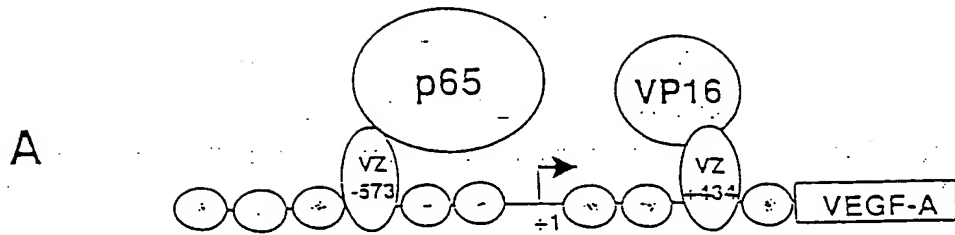


Figure 7

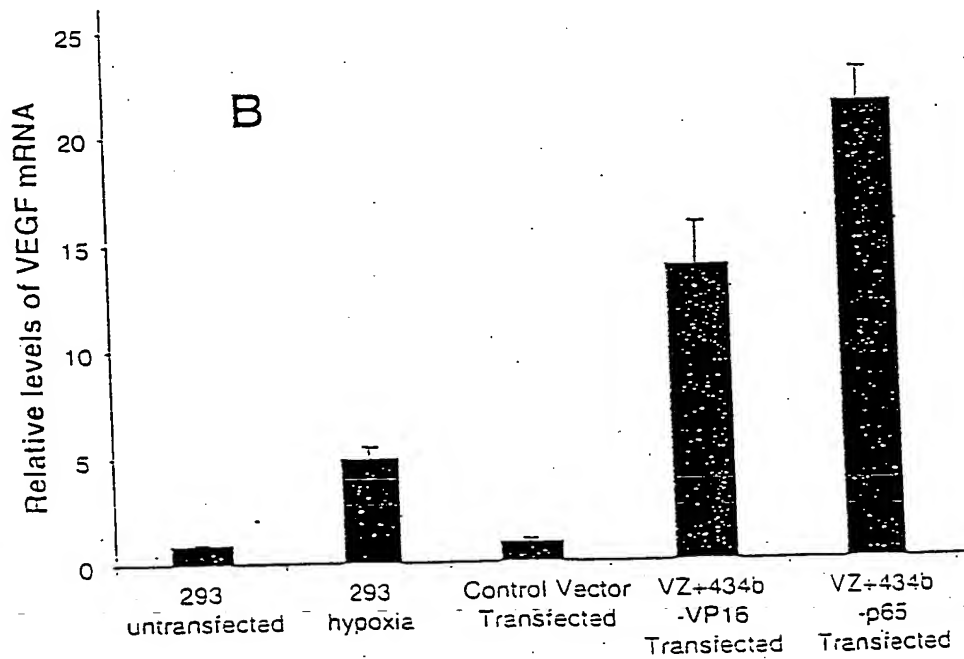
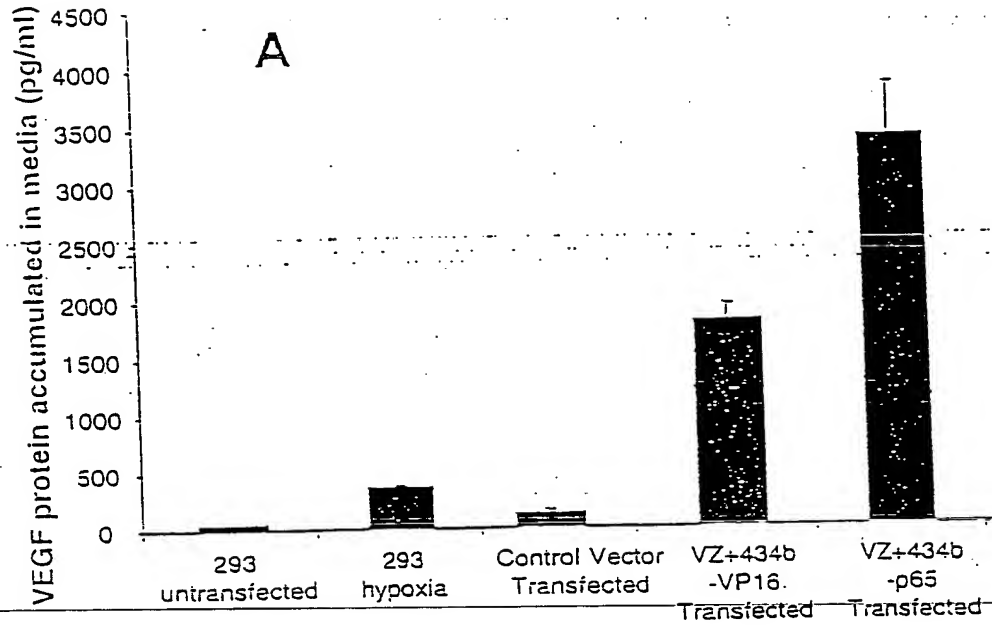
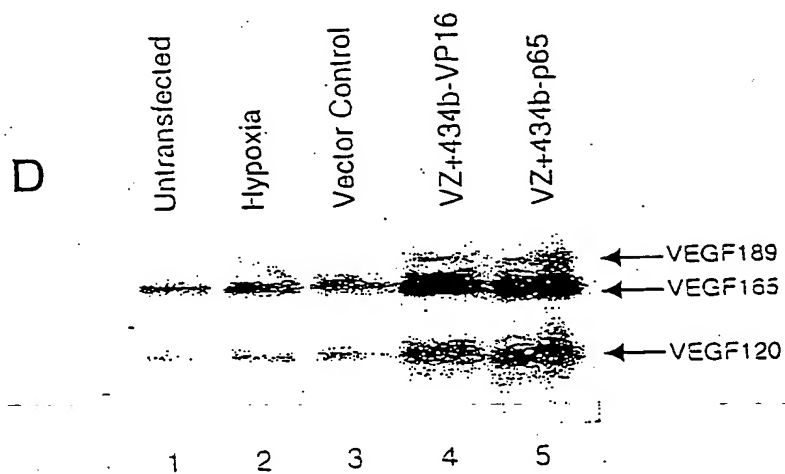
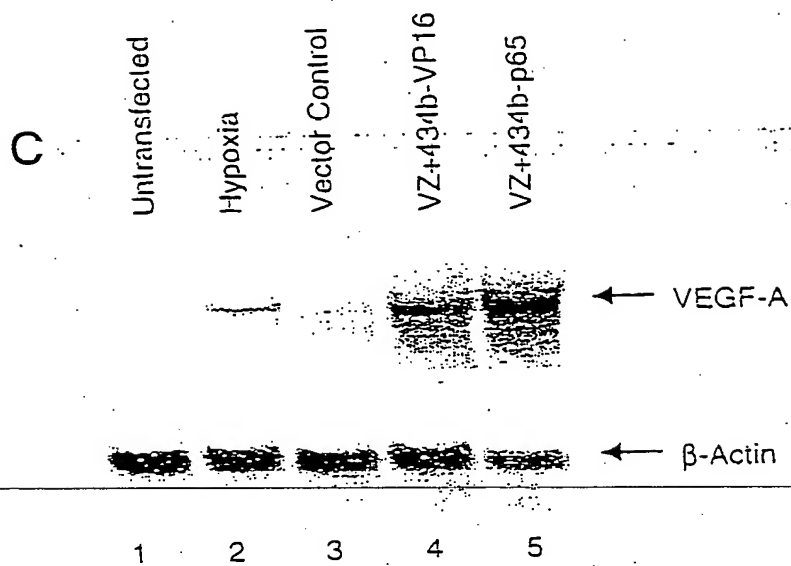


Figure 7



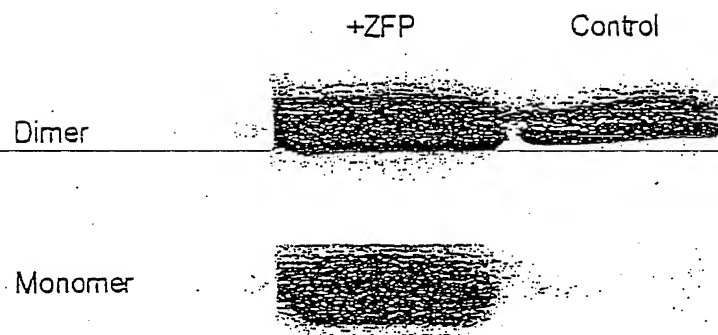
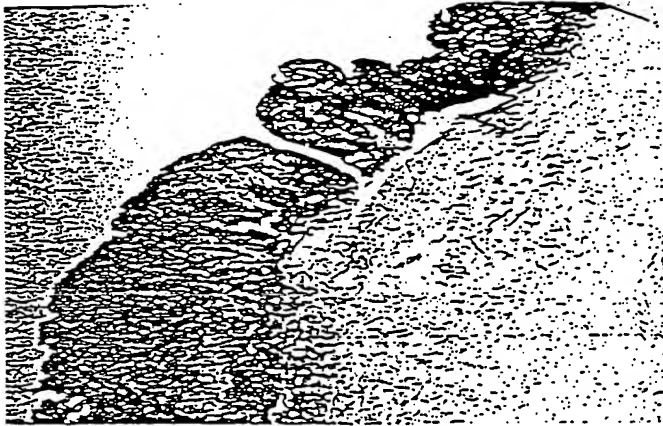
[illegible]

FIG. 8

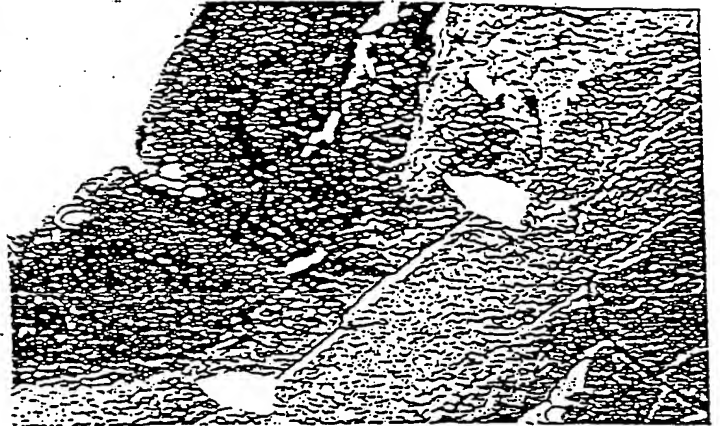
Control

A.



+ ZFP

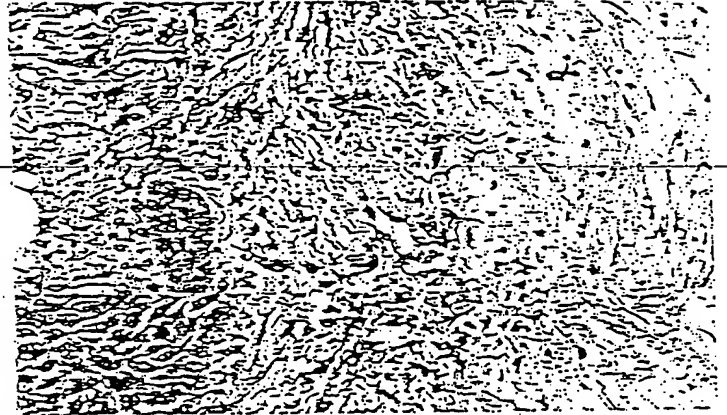
B.



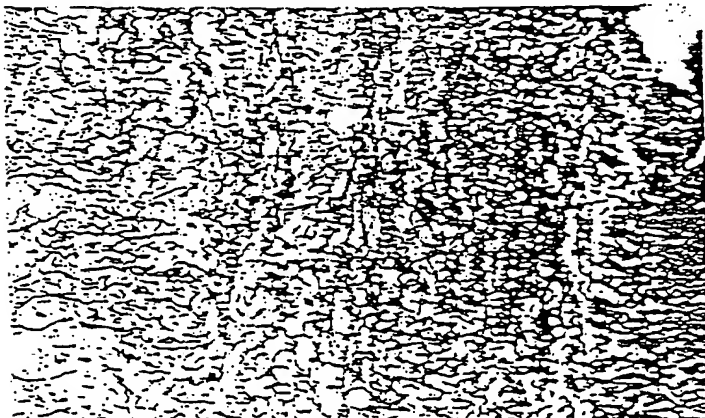
C.



D.



E.



F.

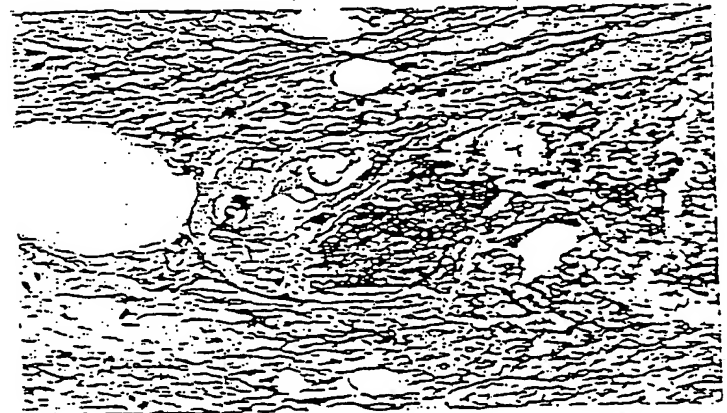
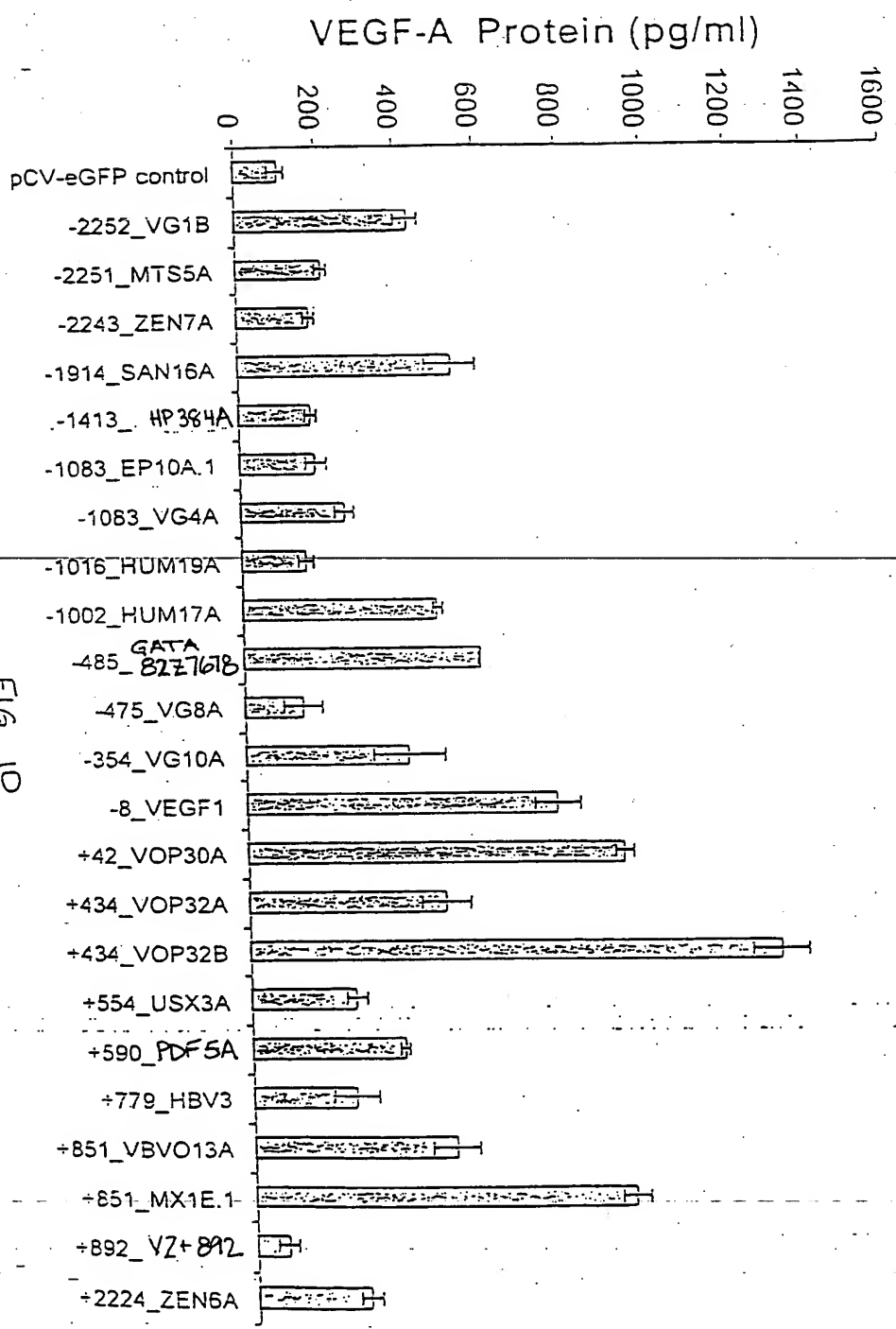


FIG. 9

10005069-120601

FIG. 10



VEGF/GAPDH
(mRNA Level by Taqman)

Protein →

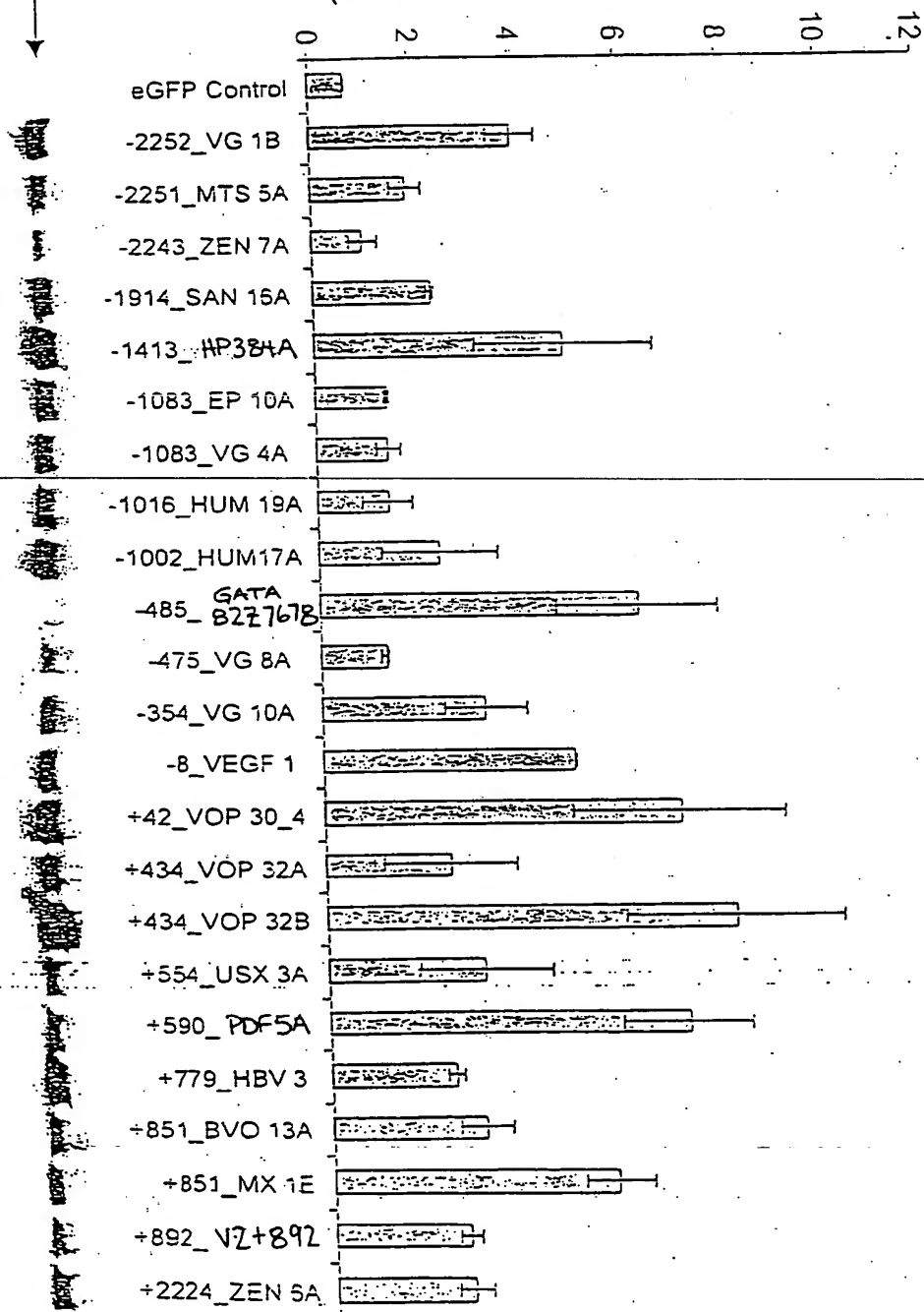
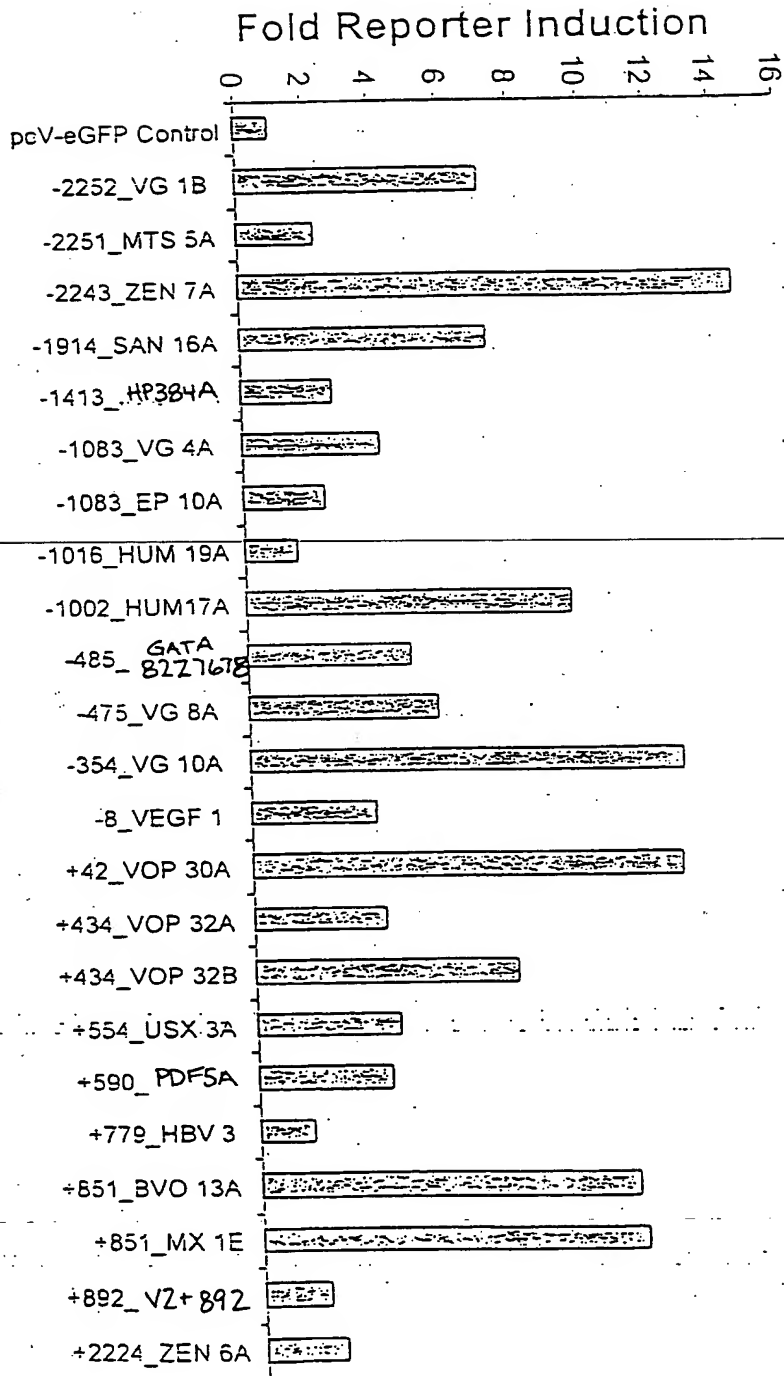


FIG. 11

10005059.120501

10005069.120501

FIG. 12



10006069.120601

FIG. 13

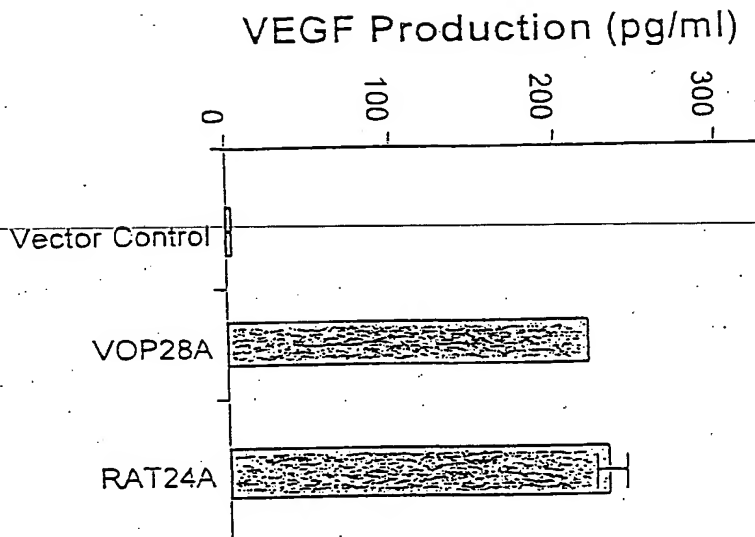
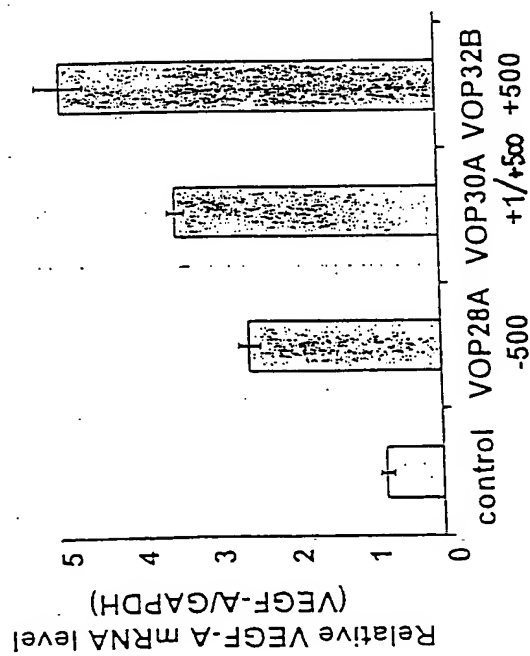


Figure 14

A

VEGF-A mRNA Activation by ZFPs



B

VEGF-C mRNA Activation by ZFPs

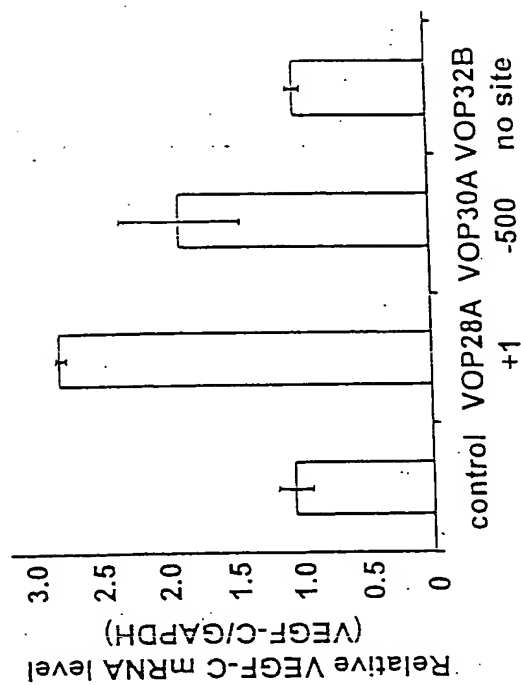
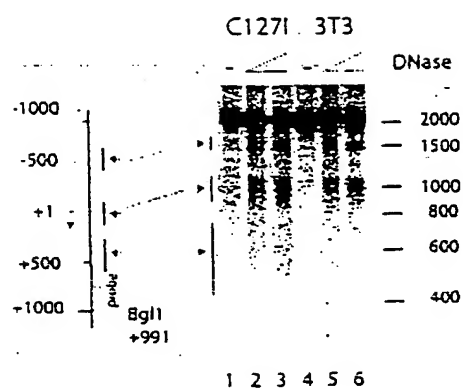
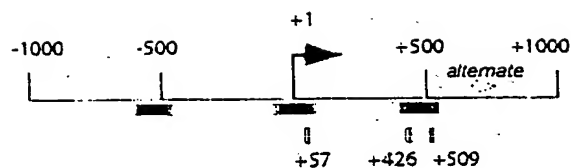


Figure 15

A



B



C

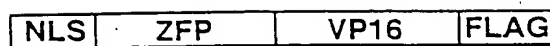
ZFP Name	Target		Finger Designs	
	Sequence 5'-3'	Subsites 5'-3'	1123456	
mVZ+57	TGAGCGGCGGCAGCGGAGc	TGAc GCGc GCGc GCAc GCGc GAGc	QSGHLTK RSDLSR RSDLTR QSGSLTR RSDLTR RSDNLR	F6 F3 F4 F3 F2 F1
mVZ+426	GGGGGTGACc	GCGc GCTc GACc	RSDHLR TSGHLV2 DRSNLTR	F3 F2 F1
mVZ+509	GCTGGGGGCG	GCTc GCGc GGCg	QSGDLTR RSDHLTR DRSHLTR	F3 F2 F1

D

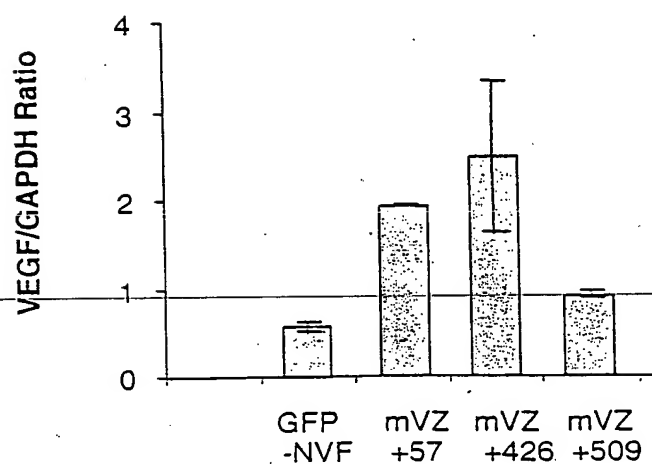
ZFP	Target	Gel Shift		Apparent Kd (nM)
mVZ+57	TGAGCGGCGGCAGCGGAGc		Bound Free	0.031
mVZ+426	GGGGGTGACc		Bound Free	<0.01
mVZ+509	GCTGGGGGCG		Bound Free	<0.01
SP1	GGGGCGGGGg		Bound Free	0.053

Figure 16

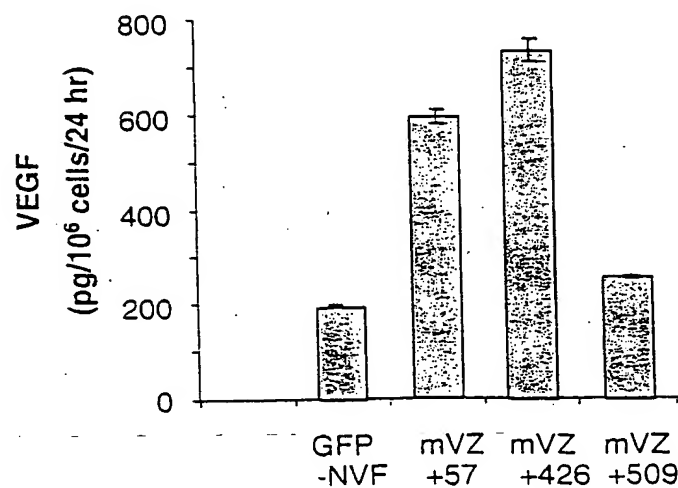
A



B



C



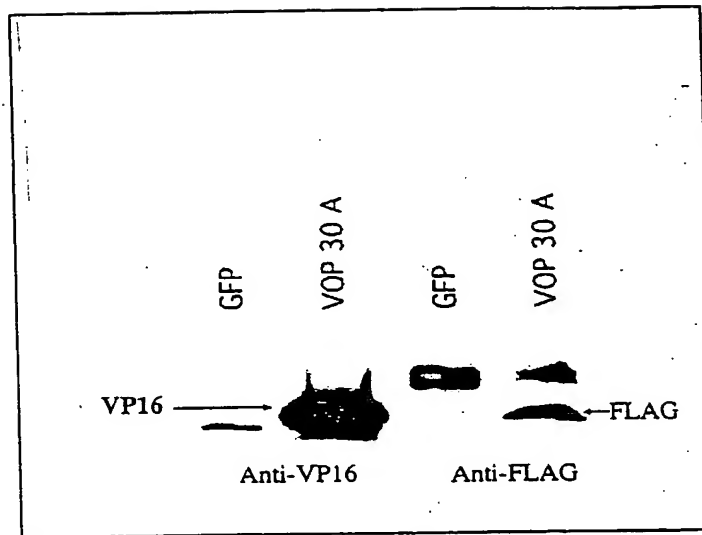


FIG. 17A

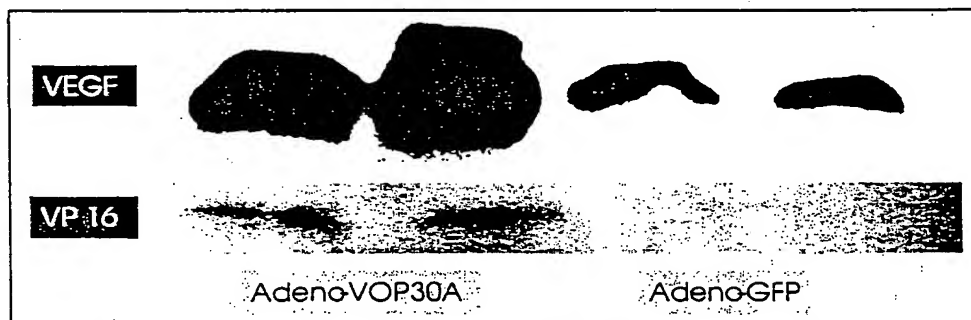


FIG. 17B

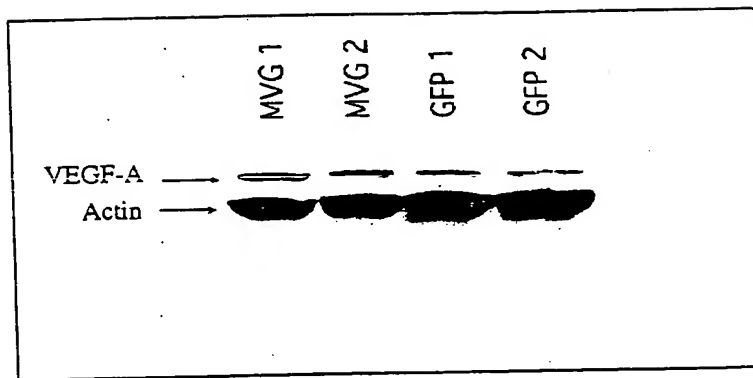


FIG. 17C

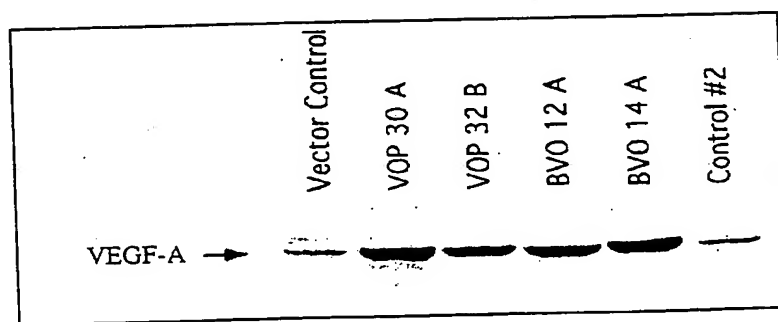


FIG. 17D

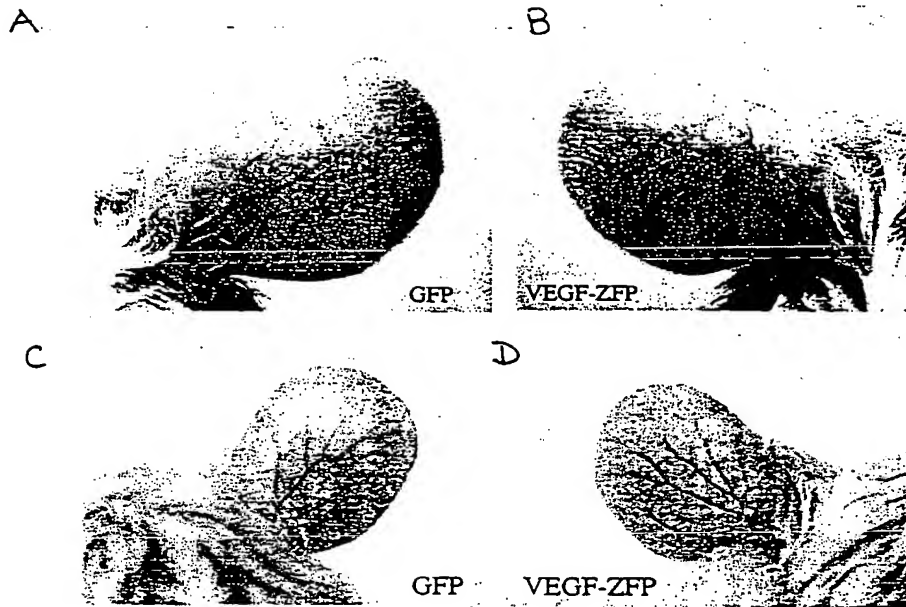


FIG. 18

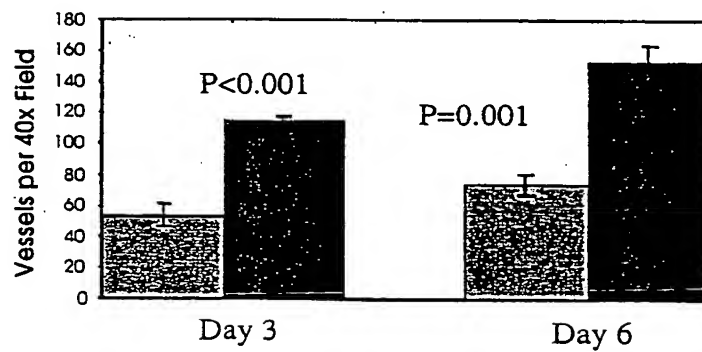


FIG. 18 E

FIG. 19A

GFP



FIG. 19B

MVG

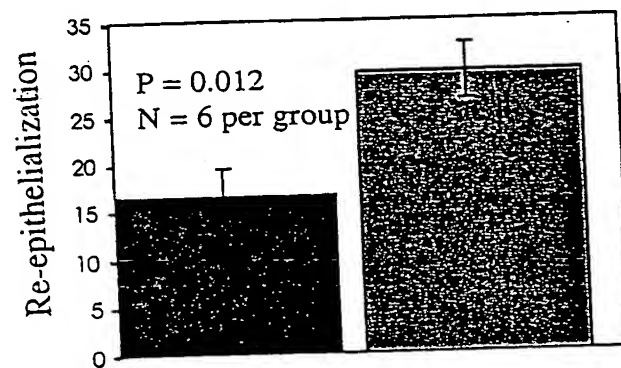
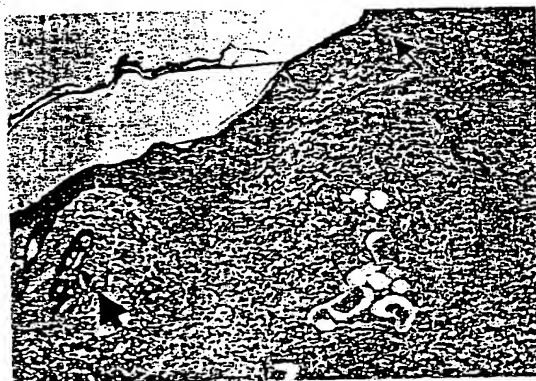


FIG. 19C

FIG. 20A



GFP Control

FIG. 20B

[illegible]

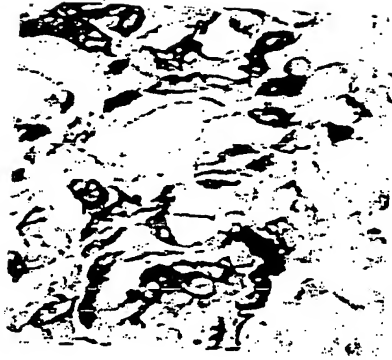


FIG. 21 A



FIG. 21 B

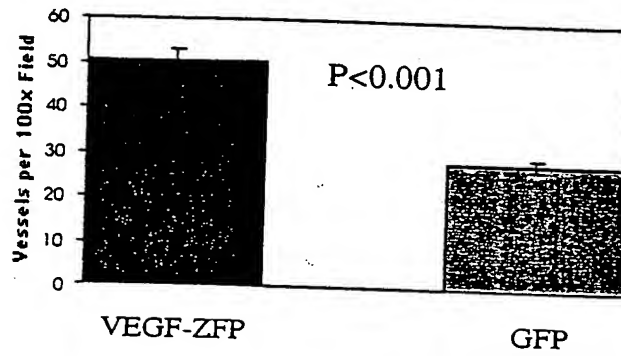
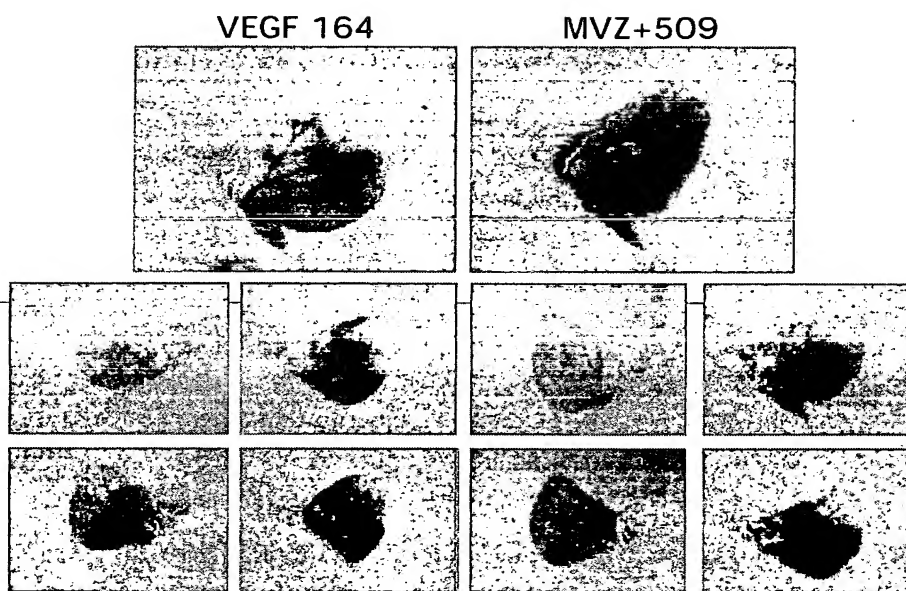


FIG. 21 C

Figure 22

[illegible]